TOBACCO INSTITUTE TESTING LABORATORY

PER CIGARETTE

AND

PER PUFF DATA

MARKET SAMPLE NO. 17

PM3000763968

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

PART I

PER CIGARETTE DATA

PM3000763969

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Alpine	$\bar{x}$	13.9±0.3	0.87±0.02	2.1±0.1	16.9±0.4	8.0±0.1
king size,	s	0.6	0.04	0.2	0.9	0.3
filter menthol	CV	4.6	4.6	11.6	5.2	3.5
Belair	$\bar{x}$	14.7±0.3	1.06±0.03	2.6±0.2	18.3±0.4	7.5±0.1
king size,	s	0.6	0.06	0.4	0.8	0.3
filter menthol	CV	3.9	6.0	14.8	4.5	3.7
Belair	$\bar{x}$	17.3±0.4	1.22±0.03	2.3±0.1	20.8±0.4	9.2±0.2
100 mm.	s	0.8	0.06	0.2	1.0	0.4
filter menthol	CV	4.6	4.7	8.8	4.6	4.5
Benson & Hedges	$\bar{x}$	9.2±0.3	0.58±0.02	2.1±0.2	11.8±0.4	6.1±0.1
regular size,	s	0.6	0.05	0.4	0.9	0.2
filter	CV	6.6	8.1	18.8	7.8	3.5
Benson & Hedges	$\bar{x}$	15.5±0.3	1.06±0.03	2.5±0.1	19.1±0.4	7.4±0.2
king size,	s	0.7	0.06	0.3	0.8	0.4
filter	CV	4.8	6.0	12.9	4.3	4.7
Benson & Hedges	$\bar{x}$	17.8±0.2	1.10±0.02	2.5±0.1	21.4±0.3	9.0±0.1
100 mm.	s	0.5	0.04	0.2	0.7	0.3
filter	CV	3.0	3.5	7.4	3.2	2.8
Benson & Hedges	$\bar{x}$	17.5±0.2	1.07±0.02	2.5±0.1	21.0±0.3	8.7±0.2
100 mm.	s	0.5	0.05	0.3	0.7	0.4
filter menthol	CV	2.9	4.3	13.2	3.5	5.1
Blend	$\bar{x}$	11.5±0.3	0.85±0.02	2.4±0.2	14.8±0.4	6.8±0.1
king size,	s	0.6	0.05	0.4	0.9	0.3
filter	CV	5.2	5.7	15.1	6.4	4.4

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BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Bull Durham	$\bar{x}$	29.8±0.3	1.92±0.04	6.1±0.2	37.8±0.5	10.8±0.4
king size,	s	0.7	0.08	0.5	1.1	0.8
filter	CV	2.4	4.1	8.3	3.0	7.8
Camel	$\bar{x}$	24.3±0.4	1.68±0.03	3.9±0.1	29.9±0.5	7.6±0.2
regular size,	s	0.9	0.06	0.3	1.1	0.3
non-filter	CV	3.7	3.6	7.5	3.8	4.6
Camel	$\bar{x}$	19.0±0.3	1.28±0.03	4.0±0.2	24.2±0.5	8.9±0.1
king size,	s	0.8	0.06	0.4	1.1	0.3
filter	CV	4.1	4.5	11.1	4.7	3.6
Carlton	$\bar{x}$	2.3±0.1	0.19±0.01	0.2±0.1	2.7±0.1	6.6±0.2
regular size,	s	0.3	0.03	0.1	0.3	0.4
filter	CV	11.4	13.5	48.1	10.3	6.2
Carlton	$\bar{x}$	4.7±0.2	0.37±0.02	0.5±0.05	5.5±0.3	9.0±0.2
king size,	s	0.5	0.03	0.1	0.6	0.4
filter	CV	11.6	9.4	23.7	11.3	4.1
Carlton	$\bar{x}$	4.2±0.2	0.36±0.01	0.4±0.04	4.9±0.2	9.0±0.1
king size,	s	0.5	0.03	0.1	0.5	0.3
filter menthol	CV	11.4	8.0	23.0	10.3	3.5
Chesterfield	$\bar{x}$	25.7±0.4	1.49±0.02	4.6±0.2	31.8±0.5	7.6±0.1
regular size,	s	0.9	0.04	0.4	1.2	0.3
non-filter	CV	3.3	2.8	9.2	3.8	4.0
Chesterfield	$\bar{x}$	29.4±0.8	1.74±0.03	4.6±0.3	35.7±1.0	9.8±0.1
king size,	s	1.8	0.07	0.6	2.2	0.3
non-filter	CV	6.2	4.3	12.8	6.1	2.8

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BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Chesterfield	$\bar{x}$	17.4±0.2	1.16±0.03	4.0±0.3	22.6±0.4	8.1±0.1
king size,	s	0.5	0.06	0.6	1.0	0.3
filter	CV	2.8	5.0	15.5	4.4	3.1
Chesterfield	$\bar{x}$	19.0±0.4	1.24±0.03	4.6±0.3	24.9±0.6	8.5±0.1
king size,	s	0.9	0.07	0.6	1.4	0.2
filter menthol	CV	4.6	5.3	13.9	5.7	2.6
Chesterfield	$\bar{x}$	19.6±0.3	1.35±0.02	3.0±0.2	23.9±0.4	9.6±0.1
101 mm.	s	0.7	0.06	0.4	1.0	0.2
filter	CV	3.3	4.1	12.4	4.2	2.5
Domino	$\bar{x}$	30.7±0.6	1.46±0.02	5.2±0.2	37.4±0.7	10.3±0.2
king size,	s	1.4	0.05	0.4	1.7	0.5
non-filter	CV	4.6	3.8	7.6	4.5	5.1
Domino	$\bar{x}$	23.5±0.3	1.28±0.03	5.9±0.2	30.7±0.4	9.8±0.2
king size,	s	0.6	0.07	0.4	1.0	0.4
filter	CV	2.5	5.4	7.2	3.2	3.7
Doral	$\bar{x}$	14.5±0.3	1.02±0.02	2.1±0.1	17.6±0.4	9.0±0.2
king size,	s	0.7	0.05	0.3	1.0	0.4
filter	CV	5.0	4.9	12.3	5.6	4.4
Doral	$\bar{x}$	13.3±0.3	0.98±0.02	1.9±0.1	16.2±0.4	9.0±0.1
king size,	s	0.6	0.04	0.2	0.8	0.3
filter menthol	CV	4.6	4.0	9.7	4.9	3.1
DuMaurier	$\bar{x}$	15.5±0.2	1.04±0.02	2.5±0.1	19.1±0.4	8.4±0.2
king size,	s	0.5	0.05	0.3	0.8	0.3
filter	CV	3.4	4.3	13.1	4.3	4.1

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BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
English Ovals	$\bar{x}$	23.2±0.4	1.76±0.04	3.1±0.2	28.1±0.6	7.8±0.2
regular size,	s	0.9	0.09	0.4	1.3	0.5
non-filter	CV	4.1	5.0	11.6	4.7	6.9
English Ovals	$\bar{x}$	30.3±0.5	2.42±0.05	3.8±0.1	36.4±0.5	10.7±0.2
king size,	s	1.0	0.11	0.3	1.2	0.5
non-filter	CV	3.5	4.4	8.3	3.4	4.4
Eve	$\bar{x}$	18.3±0.3	1.25±0.02	2.7±0.2	22.3±0.5	9.3±0.1
100 mm.	s	0.8	0.05	0.3	1.1	0.3
filter	CV	4.2	4.0	12.7	4.7	2.9
Eve	$\bar{x}$	18.1±0.3	1.19±0.02	2.7±0.1	22.0±0.4	9.2±0.1
100 mm.	s	0.7	0.06	0.3	1.0	0.3
filter menthol	CV	4.1	4.6	10.2	4.4	3.4
Fatima	$\bar{x}$	29.1±0.6	1.74±0.05	4.4±0.2	35.2±0.8	9.6±0.2
king size,	s	1.4	0.10	0.4	1.8	0.4
non-filter	CV	4.7	5.9	9.6	5.0	4.3
Galaxy	$\bar{x}$	14.5±0.2	0.96±0.02	2.2±0.1	17.6±0.3	7.2±0.1
king size,	s	0.6	0.05	0.2	0.7	0.3
filter	CV	3.8	4.7	8.5	3.9	3.8
Half & Half	$\bar{x}$	25.3±0.4	1.91±0.03	5.4±0.3	32.6±0.6	11.2±0.3
king size,	s	0.9	0.08	0.6	1.3	0.6
filter	CV	3.5	4.0	10.6	4.1	5.3
Herbert Tareyton	$\bar{x}$	30.0±0.4	1.90±0.03	4.7±0.2	36.6±0.6	10.0±0.1
king size,	s	1.0	0.06	0.5	1.3	0.2
non-filter	CV	3.3	3.3	11.0	3.5	2.3

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BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Home Run	$\bar{x}$	20.3±0.5	1.69±0.04	3.4±0.1	25.4±0.6	6.7±0.2
regular size,	s	1.0	0.08	0.3	1.3	0.3
non-filter	CV	5.0	5.0	9.3	5.1	5.0
Iceberg 100's	$\bar{x}$	9.0±0.1	0.67±0.01	1.2±0.1	10.9±0.2	8.5±0.2
100 mm.	s	0.3	0.03	0.1	0.4	0.4
filter menthol	CV	3.4	4.8	12.3	3.5	4.3
Kent	$\bar{x}$	14.8±0.3	0.90±0.02	3.5±0.2	19.2±0.4	7.4±0.2
king size,	s	0.7	0.05	0.4	1.0	0.4
filter	CV	4.4	6.1	12.8	5.2	4.8
(hard pack)						
Kent	$\bar{x}$	15.7±0.3	0.99±0.02	3.1±0.2	19.7±0.5	8.1±0.1
king size,	s	0.7	0.05	0.4	1.1	0.3
filter	CV	4.4	4.7	14.1	5.5	3.4
(soft pack)						
Kent	$\bar{x}$	17.7±0.4	1.13±0.02	2.7±0.2	21.5±0.4	9.1±0.1
100 mm.	s	0.9	0.05	0.5	0.9	0.2
filter	CV	4.9	4.5	17.9	4.1	2.0
Kent	$\bar{x}$	16.7±0.3	1.09±0.02	2.4±0.1	20.1±0.4	8.7±0.2
100 mm.	s	0.8	0.04	0.2	0.9	0.3
filter menthol	CV	4.5	3.3	8.6	4.6	3.9
King Sano	$\bar{x}$	7.2±0.2	0.34±0.01	1.0±0.1	8.5±0.3	8.6±0.2
king size,	s	0.5	0.02	0.2	0.7	0.4
filter	CV	7.6	7.3	15.4	7.8	4.4
King Sano	$\bar{x}$	7.2±0.2	0.31±0.01	1.0±0.1	8.5±0.3	8.4±0.2
king size,	s	0.5	0.02	0.2	0.6	0.4
filter menthol	CV	6.4	6.9	16.8	6.6	5.3

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BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Kool	$\bar{x}$	19.6±0.5	1.21±0.03	3.0±0.2	23.9±0.6	6.5±0.1
regular size,	s	1.1	0.06	0.4	1.3	0.3
non-filter menthol	CV	5.8	5.2	12.2	5.6	4.0
Kool	$\bar{x}$	16.5±0.3	1.27±0.02	3.4±0.2	21.2±0.5	7.9±0.1
king size,	s	0.6	0.05	0.5	1.0	0.2
filter menthol	CV	3.9	4.3	13.5	4.9	2.5
(hard pack)						
Kool	$\bar{x}$	16.5±0.4	1.26±0.02	3.0±0.1	20.7±0.5	7.9±0.1
king size,	s	0.8	0.06	0.3	1.0	0.3
filter menthol	CV	5.0	4.4	8.4	5.0	4.1
(soft pack)						
Kool	$\bar{x}$	17.5±0.4	1.22±0.04	2.4±0.1	21.1±0.6	9.2±0.2
100 mm.	s	1.0	0.09	0.3	1.3	0.4
filter menthol	CV	5.6	7.3	10.8	6.0	3.9
Kool Milds	$\bar{x}$	12.7±0.2	0.75±0.02	1.9±0.1	15.3±0.3	6.9±0.1
king size,	s	0.5	0.05	0.2	0.6	0.2
filter menthol	CV	4.0	6.5	11.1	4.2	3.4
L & M	$\bar{x}$	16.8±0.3	1.10±0.02	3.9±0.2	21.8±0.4	7.4±0.1
king size,	s	0.7	0.05	0.4	1.0	0.3
filter	CV	3.9	4.7	9.6	4.4	4.3
(hard pack)						
L & M	$\bar{x}$	18.3±0.3	1.19±0.02	4.2±0.3	23.7±0.6	8.3±0.2
king size,	s	0.8	0.05	0.6	1.3	0.4
filter	CV	4.2	4.2	14.6	5.5	4.3
(soft pack)						

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BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
L & M	$\bar{x}$	19.4±0.3	1.33±0.03	2.9±0.2	23.6±0.4	9.5±0.2
100 mm.	s	0.6	0.06	0.4	0.9	0.4
filter	CV	3.2	4.7	12.0	3.8	4.1
L & M	$\bar{x}$	19.2±0.4	1.29±0.02	2.8±0.2	23.3±0.5	9.2±0.1
100 mm.	s	0.8	0.04	0.4	1.1	0.3
filter menthol	CV	4.3	3.2	14.3	4.8	2.8
Lark	$\bar{x}$	18.3±0.2	1.22±0.02	3.6±0.2	23.1±0.4	8.2±0.1
king size,	s	0.5	0.04	0.4	0.9	0.2
filter	CV	2.9	3.6	10.3	3.7	2.9
Lark	$\bar{x}$	19.1±0.3	1.28±0.02	3.4±0.1	23.8±0.4	9.5±0.1
100 mm.	s	0.8	0.05	0.2	1.0	0.3
filter	CV	3.9	4.0	7.2	4.0	2.8
Lucky Strike	$\bar{x}$	28.5±0.4	1.70±0.03	5.1±0.2	35.3±0.5	8.4±0.2
regular size,	s	0.8	0.06	0.6	1.1	0.4
non-filter	CV	2.8	3.8	10.8	3.2	4.5
Lucky Ten	$\bar{x}$	9.9±0.3	0.70±0.02	1.7±0.1	12.3±0.4	7.4±0.1
king size,	s	0.7	0.04	0.2	0.9	0.3
filter	CV	7.3	6.1	12.2	7.5	3.5
Lucky 100's	$\bar{x}$	9.7±0.2	0.75±0.02	1.4±0.2	11.8±0.1	9.1±0.1
100 mm.	s	0.5	0.04	0.5	0.3	0.3
filter	CV	5.4	5.7	36.0	2.7	3.2
Mapleton	$\bar{x}$	29.7±0.5	1.32±0.03	5.4±0.2	36.4±0.6	8.6±0.2
regular size,	s	1.0	0.06	0.5	1.4	0.5
non-filter	CV	3.4	4.9	9.9	3.8	5.5

PM3000763976

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BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Mapleton king size, filter	$\bar{x}$	22.8±0.6	0.90±0.02	4.9±0.2	28.6±0.7	9.8±0.2
	s	1.4	0.04	0.5	1.7	0.3
	CV	6.3	4.6	11.0	5.9	3.4
Marlboro king size, filter (hard pack)	$\bar{x}$	17.2±0.2	1.03±0.02	3.8±0.2	22.1±0.4	7.8±0.1
	s	0.6	0.04	0.3	0.8	0.2
	CV	3.2	3.7	9.0	3.6	3.2
Marlboro king size, filter (soft pack)	$\bar{x}$	17.5±0.4	1.07±0.02	3.5±0.2	22.0±0.5	8.4±0.2
	s	0.8	0.04	0.4	1.1	0.4
	CV	4.6	3.8	11.4	5.2	4.5
Marlboro king size, filter menthol (hard pack)	$\bar{x}$	14.4±0.3	0.85±0.02	2.6±0.2	17.9±0.5	7.4±0.1
	s	0.7	0.05	0.4	1.0	0.2
	CV	4.8	6.4	13.4	5.7	3.3
Marlboro king size, filter menthol (soft pack)	$\bar{x}$	14.1±0.2	0.88±0.02	2.1±0.1	17.1±0.3	7.9±0.1
	s	0.5	0.05	0.3	0.8	0.3
	CV	3.7	5.8	12.6	4.5	3.3
Marlboro 100 mm. filter (hard pack)	$\bar{x}$	17.3±0.3	1.12±0.02	2.7±0.1	21.2±0.5	9.0±0.2
	s	0.8	0.05	0.3	1.0	0.4
	CV	4.4	4.2	11.8	4.9	3.9
Marlboro 100 mm. filter (soft pack)	$\bar{x}$	17.5±0.2	1.09±0.02	2.6±0.1	21.2±0.3	8.9±0.2
	s	0.5	0.03	0.2	0.7	0.5
	CV	3.1	3.2	8.7	3.4	6.0

PM3000763977

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BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Marlboro Lights king size, filter	$\bar{x}$	13.0±0.2	0.84±0.02	1.7±0.1	15.6±0.3	7.5±0.1
	s	0.5	0.03	0.2	0.6	0.2
	CV	3.9	4.1	10.5	4.1	2.8
Marlboro Lights king size, filter menthol	$\bar{x}$	12.8±0.2	0.76±0.02	1.6±0.1	15.1±0.2	7.4±0.1
	s	0.4	0.04	0.2	0.5	0.3
	CV	3.5	5.3	10.4	3.5	3.8
Miyako king size, filter	$\bar{x}$	15.2±0.3	0.92±0.02	4.1±0.3	20.2±0.5	7.7±0.1
	s	0.6	0.04	0.6	1.2	0.3
	CV	4.1	4.6	15.2	6.0	3.5
Montclair king size, filter menthol	$\bar{x}$	18.3±0.3	1.33±0.03	4.3±0.2	24.0±0.5	8.6±0.1
	s	0.7	0.08	0.4	1.0	0.3
	CV	3.8	5.7	10.3	4.3	3.5
More 120 mm. filter	$\bar{x}$	20.4±0.5	1.49±0.03	2.4±0.1	24.3±0.7	15.2±0.4
	s	1.2	0.06	0.3	1.5	0.8
	CV	5.9	4.2	10.4	6.0	5.3
More 120 mm. filter menthol	$\bar{x}$	20.8±0.7	1.59±0.04	2.8±0.1	25.1±0.7	15.0±0.4
	s	1.5	0.08	0.3	1.6	1.0
	CV	7.1	5.3	11.4	6.6	6.4
Multifilter king size, filter	$\bar{x}$	11.7±0.3	0.79±0.03	1.5±0.1	14.0±0.3	7.6±0.1
	s	0.6	0.06	0.2	0.7	0.2
	CV	4.9	7.9	11.5	5.1	2.9
Multifilter king size, filter menthol	$\bar{x}$	10.3±0.2	0.71±0.01	1.2±0.1	12.2±0.3	7.3±0.1
	s	0.4	0.03	0.2	0.6	0.3
	CV	4.1	4.6	16.0	4.7	4.1

PM3000763978

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Newport king size, filter menthol (hard pack)	$\bar{x}$	16.8±0.4	1.16±0.02	4.0±0.2	21.9±0.6	8.0±0.1
	s	0.8	0.05	0.5	1.2	0.3
	CV	4.8	4.3	11.6	5.6	3.4
Newport king size, filter menthol (soft pack)	$\bar{x}$	16.9±0.3	1.18±0.03	4.0±0.2	22.1±0.5	8.2±0.1
	s	0.7	0.06	0.4	1.0	0.3
	CV	4.3	5.1	10.7	4.6	3.2
Newport 100 mm. filter menthol	$\bar{x}$	19.3±0.5	1.39±0.04	2.9±0.1	23.7±0.6	9.2±0.2
	s	1.0	0.10	0.3	1.3	0.3
	CV	5.2	6.8	11.2	5.7	3.7
Oasis king size, filter menthol	$\bar{x}$	17.6± 0.4	1.16±0.02	3.9±0.2	22.7±0.5	8.2±0.1
	s	0.8	0.04	0.5	1.2	0.3
	CV	4.6	3.8	13.9	5.4	3.1
Old Gold Straights regular size, non-filter	$\bar{x}$	20.1±0.3	1.23±0.03	3.4±0.2	24.8±0.5	6.7±0.1
	s	0.7	0.07	0.3	1.0	0.2
	CV	3.6	5.7	9.9	4.2	2.9
Old Gold Straights king size, non-filter	$\bar{x}$	25.1±0.4	1.53±0.02	3.9±0.2	30.4±0.4	8.9±0.2
	s	0.8	0.05	0.3	1.0	0.3
	CV	3.4	3.6	8.7	3.2	3.9
Old Gold Filters king size, filter (hard pack)	$\bar{x}$	16.0±0.2	1.20±0.02	3.7±0.2	20.9±0.4	7.6±0.2
	s	0.5	0.04	0.4	0.9	0.4
	CV	3.3	3.7	11.2	4.1	4.7

PM3000763979

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Old Gold Filters king size, filter (soft pack)	$\bar{x}$	16.8±0.5	1.06±0.02	3.5±0.2	21.4±0.6	8.1±0.1
	s	1.0	0.05	0.4	1.4	0.3
	CV	6.1	4.8	11.4	6.4	3.3
Old Gold 100's 100 mm. filter	$\bar{x}$	21.2±0.4	1.35±0.03	3.7±0.2	26.2±0.5	9.5±0.1
	s	0.8	0.07	0.4	1.1	0.3
	CV	4.0	5.1	9.5	4.0	3.4
Pall Mall king size, non-filter	$\bar{x}$	29.3±0.4	1.84±0.03	4.4±0.2	35.5±0.5	9.8±0.1
	s	0.8	0.07	0.4	1.2	0.3
	CV	2.9	3.9	9.4	3.3	3.0
Pall Mall 100 mm. filter	$\bar{x}$	19.7±0.4	1.44±0.03	2.9±0.2	24.1±0.6	10.5±0.2
	s	0.9	0.07	0.4	1.3	0.4
		4.6	4.6	14.5	5.6	4.1
Pall Mall 100 mm. filter menthol	$\bar{x}$	15.9±0.2	1.22±0.02	2.3±0.1	19.5±0.3	9.4±0.1
	s	0.5	0.05	0.2	0.6	0.3
	CV	2.9	4.8	8.4	3.0	3.3
Pall Mall Extra Mild king size, filter (hard pack)	$\bar{x}$	9.9±0.2	0.72±0.02	1.8±0.1	12.4±0.3	6.9±0.1
	s	0.4	0.04	0.2	0.6	0.3
	CV	4.1	6.2	10.6	4.6	4.8
Pall Mall Extra Mild king size, filter (soft pack)	$\bar{x}$	9.9±0.2	0.70±0.01	1.7±0.1	12.3±0.3	7.0±0.1
	s	0.5	0.03	0.2	0.6	0.2
	CV	5.1	4.5	9.6	5.3	3.6

PM3000763980

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Parliament king size, filter (hard pack)	$\bar{x}$	13.8±0.4	0.82±0.03	2.5±0.1	17.1±0.5	6.8±0.2
	s	0.8	0.06	0.3	1.1	0.4
	CV	6.1	7.1	12.8	6.6	5.8
Parliament king size, filter (soft pack)	$\bar{x}$	15.1±0.3	0.88±0.02	2.9±0.2	18.9±0.4	7.3±0.1
	s	0.6	0.04	0.4	1.0	0.3
	CV	3.8	4.9	14.0	5.1	3.6
Parliament 100's 100 mm. filter	$\bar{x}$	16.9±0.3	1.03±0.02	2.4±0.1	20.3±0.3	8.6±0.2
	s	0.6	0.05	0.2	0.8	0.4
	CV	3.4	4.5	9.8	3.8	4.5
Philip Morris regular size, non-filter	$\bar{x}$	20.7±0.3	1.17±0.02	3.3±0.1	25.1±0.4	6.8±0.1
	s	0.6	0.05	0.3	0.8	0.3
	CV	2.8	4.4	8.5	3.2	3.8
Philip Morris Commander king size, non-filter	$\bar{x}$	25.8±0.5	1.48±0.03	3.8±0.2	31.1±0.6	9.1±0.1
	s	1.0	0.07	0.4	1.4	0.3
	CV	4.0	5.0	11.2	4.5	3.2
Philip Morris International 100 mm. filter	$\bar{x}$	18.2±0.2	1.17±0.02	2.8±0.1	22.1±0.3	10.0±0.1
	s	0.5	0.04	0.2	0.6	0.3
	CV	2.9	3.2	7.0	2.8	2.8
Philip Morris International 100 mm. filter menthol	$\bar{x}$	15.7±0.2	0.96±0.01	2.3±0.1	18.9±0.2	8.0±0.1
	s	0.4	0.03	0.2	0.5	0.2
	CV	2.8	3.3	6.8	2.6	2.9

PM3000763981

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Picayune	$\bar{x}$	20.7±0.3	1.74±0.04	3.3±0.2	25.8±0.5	6.7±0.1
regular size,	s	0.7	0.08	0.4	1.0	0.2
non-filter	CV	3.6	4.8	12.8	3.9	3.4
Piedmont	$\bar{x}$	27.0±0.7	1.56±0.04	5.0±0.2	33.5±0.9	7.7±0.1
regular size,	s	1.6	0.09	0.5	2.1	0.3
non-filter	CV	5.9	5.6	10.1	6.2	4.1
Players	$\bar{x}$	33.7±0.5	2.17±0.04	4.4±0.2	40.2±0.7	9.3±0.2
regular size,	s	1.2	0.09	0.5	1.5	0.3
non-filter	CV	3.5	4.0	11.0	3.8	3.7
Raleigh	$\bar{x}$	24.3±0.5	1.46±0.04	3.4±0.2	29.2±0.7	8.6±0.1
king size,	s	1.2	0.08	0.5	1.6	0.3
non-filter	CV	4.9	5.6	14.6	5.5	3.5
Raleigh	$\bar{x}$	15.3±0.2	1.02±0.01	2.8±0.1	19.1±0.2	8.1±0.1
king size,	s	0.4	0.03	0.3	0.5	0.3
filter	CV	2.4	3.1	9.6	2.6	3.4
Raleigh	$\bar{x}$	16.6±0.3	1.11±0.02	2.2±0.1	19.9±0.4	9.4±0.1
100 mm.	s	0.7	0.05	0.2	0.8	0.3
filter	CV	4.1	4.1	9.2	4.2	3.4
Raleigh Extra Mild	$\bar{x}$	13.5±0.3	0.85±0.02	1.9±0.1	16.3±0.4	7.4±0.1
king size,	s	0.6	0.04	0.2	0.8	0.3
filter	CV	4.4	5.0	12.1	5.0	4.2
St. Moritz	$\bar{x}$	17.9±0.3	1.22±0.02	2.2±0.1	21.3±0.3	8.8±0.1
100 mm.	s	0.6	0.05	0.3	0.7	0.2
filter	CV	3.3	4.4	13.1	3.4	2.8

PM3000763982

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
St. Moritz	$\bar{x}$	17.8±0.2	1.21±0.02	2.2±0.1	21.2±0.3	8.9±0.1
100 mm.	s	0.5	0.05	0.2	0.6	0.3
filter menthol	CV	2.5	4.4	10.4	3.0	3.1
Safari	$\bar{x}$	19.6±0.3	1.38±0.02	3.2±0.1	24.2±0.4	9.8±0.1
100 mm.	s	0.6	0.05	0.3	0.9	0.3
filter	CV	3.3	3.7	10.2	3.6	2.6
Salem	$\bar{x}$	18.6±0.3	1.30±0.02	4.4±0.2	24.3±0.5	8.7±0.1
king size,	s	0.7	0.04	0.5	1.1	0.3
filter menthol (hard pack)	CV	3.8	3.2	10.3	4.5	3.6
Salem	$\bar{x}$	18.7±0.5	1.29±0.03	3.9±0.2	23.9±0.7	8.8±0.1
king size,	s	1.0	0.06	0.5	1.5	0.2
filter menthol (soft pack)	CV	5.6	4.4	12.3	6.1	1.9
Salem	$\bar{x}$	19.0±0.4	1.35±0.02	3.0±0.1	23.4±0.5	10.3±0.2
100 mm.	s	0.9	0.05	0.3	1.0	0.4
filter menthol		4.5	3.4	10.5	4.4	3.6
Salem Extra	$\bar{x}$	17.4±0.2	1.33±0.02	3.6±0.2	22.4±0.3	8.8±0.1
king size,	s	0.5	0.05	0.4	0.8	0.2
filter menthol	CV	2.8	3.6	10.1	3.5	2.7
Sano	$\bar{x}$	18.2±0.4	0.69±0.01	2.7±0.1	21.6±0.4	6.6±0.2
regular size,	s	0.8	0.02	0.3	0.9	0.4
non-filter	CV	4.3	3.3	11.5	4.0	5.4

PM3000763983

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Saratoga	$\bar{x}$	15.4±0.2	1.00±0.02	1.8±0.1	18.1±0.3	11.4±0.3
120 mm.	s	0.4	0.04	0.2	0.6	0.6
filter	CV	2.9	4.4	8.8	3.2	5.5
Saratoga	$\bar{x}$	14.8±0.3	0.95±0.02	1.7±0.1	17.5±0.3	11.2±0.2
120 mm.	s	0.6	0.04	0.2	0.7	0.5
filter menthol	CV	4.1	4.0	9.6	4.1	4.7
Silva Thins	$\bar{x}$	16.6±0.3	1.25±0.02	3.6±0.2	21.4±0.4	9.0±0.1
100 mm.	s	0.7	0.05	0.4	1.0	0.3
filter	CV	4.0	4.4	11.8	4.5	3.1
Silva Thins	$\bar{x}$	16.2±0.3	1.14±0.02	2.8±0.1	20.1±0.5	9.7±0.1
100 mm.	s	0.8	0.05	0.3	1.0	0.3
filter menthol	CV	4.8	4.2	11.1	5.1	2.8
Spring	$\bar{x}$	19.6±0.3	1.06±0.03	3.1±0.2	23.7±0.4	9.3±0.1
100 mm.	s	0.8	0.06	0.4	1.0	0.3
filter menthol	CV	3.9	5.9	12.1	4.1	3.2
Super M	$\bar{x}$	16.5±0.4	1.14±0.03	2.9±0.2	20.5±0.6	9.2±0.1
100 mm.	s	0.9	0.07	0.5	1.3	0.3
filter menthol	CV	5.5	6.2	16.2	6.5	3.2
Tareyton	$\bar{x}$	20.6±0.5	1.39±0.03	5.1±0.3	27.0±0.8	9.7±0.2
king size,	s	1.1	0.08	0.7	1.7	0.5
filter	CV	5.2	5.5	13.4	6.4	5.7
Tareyton 100's	$\bar{x}$	20.0±0.3	1.43±0.03	3.2±0.1	24.6±0.4	10.9±0.2
100 mm.	s	0.8	0.07	0.2	0.9	0.4
filter	CV	3.8	4.8	7.4	3.8	3.7

PM3000763984

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Tempo	$\bar{x}$	10.8±0.3	0.82±0.06	1.2±0.1	12.8±0.4	8.4±0.1
king size,	s	0.7	0.13	0.2	0.9	0.3
filter	CV	6.5	16.1	17.8	6.8	3.8
Tramps	$\bar{x}$	16.3±0.3	1.08±0.02	2.7±0.2	20.1±0.5	8.4±0.1
king size,	s	0.8	0.05	0.4	1.1	0.3
filter	CV	4.7	5.0	14.0	5.5	3.9
Tramps	$\bar{x}$	16.3±0.3	1.05±0.03	2.7±0.1	20.1±0.4	8.3±0.1
king size,	s	0.6	0.06	0.3	0.9	0.3
filter menthol	CV	3.8	5.8	10.7	4.4	3.1
True	$\bar{x}$	11.1±0.2	0.66±0.01	1.7±0.1	13.4±0.3	7.7±0.1
king size,	s	0.6	0.03	0.2	0.7	0.3
filter	CV	5.0	4.2	11.9	5.4	3.8
True	$\bar{x}$	11.5±0.2	0.66±0.02	1.7±0.1	13.8±0.3	7.4±0.1
king size,	s	0.5	0.05	0.3	0.7	0.3
filter menthol	CV	4.5	8.2	16.1	5.2	4.3
True100's	$\bar{x}$	12.4±0.3	0.75±0.02	1.5±0.1	14.7±0.4	9.3±0.2
100 mm.	s	0.7	0.04	0.2	0.9	0.3
filter	CV	5.4	5.5	14.2	5.9	3.6
True100's	$\bar{x}$	12.4±0.3	0.74±0.01	1.7±0.1	14.9±0.3	9.3±0.2
100 mm.	s	0.6	0.03	0.2	0.8	0.4
filter menthol	CV	4.9	4.2	12.8	5.2	3.9
Twist	$\bar{x}$	17.6±0.4	1.32±0.03	3.2±0.2	22.2±0.6	9.3±0.2
100 mm. filter	s	0.9	0.07	0.4	1.3	0.4
lemon/menthol	CV	5.2	5.3	12.8	5.8	4.3

PM3000763985

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Vantage	$\bar{x}$	11.1±0.2	0.74±0.02	1.7±0.1	13.5±0.3	7.8±0.2
king size,	s	0.5	0.04	0.2	0.6	0.4
filter	CV	4.3	5.3	10.2	4.6	4.7
Vantage	$\bar{x}$	11.1±0.2	0.78±0.02	1.5±0.1	13.5±0.2	8.1±0.2
king size,	s	0.4	0.03	0.1	0.4	0.4
filter menthol	CV	3.4	4.3	8.8	3.2	4.7
Viceroy	$\bar{x}$	15.2±0.4	1.01±0.03	2.6±0.1	18.8±0.4	8.1±0.1
king size,	s	0.8	0.06	0.2	0.9	0.3
filter	CV	5.2	5.6	6.9	4.9	3.8
Viceroy	$\bar{x}$	16.8±0.3	1.11±0.02	2.3±0.1	20.1±0.4	9.2±0.2
100 mm.	s	0.6	0.05	0.3	0.9	0.4
filter	CV	3.8	4.6	12.6	4.3	4.0
Viceroy Extra Mild	$\bar{x}$	13.6±0.3	0.86±0.02	1.8±0.1	16.2±0.3	7.5±0.1
king size,	s	0.6	0.05	0.2	0.7	0.3
filter	CV	4.5	5.2	9.3	4.6	3.5
Virginia Slims	$\bar{x}$	16.1±0.3	0.99±0.02	2.6±0.1	19.6±0.4	8.3±0.2
100 mm.	s	0.7	0.04	0.3	0.9	0.4
filter	CV	4.2	4.5	10.9	4.5	4.5
Virginia Slims	$\bar{x}$	15.9±0.3	0.98±0.02	2.5±0.1	19.3±0.4	8.0±0.1
100 mm.	s	0.7	0.04	0.3	1.0	0.3
filter menthol	CV	4.5	4.0	10.9	4.9	3.5
Winston	$\bar{x}$	19.4±0.2	1.30±0.02	4.7±0.2	25.4±0.4	8.9±0.1
king size,	s	0.5	0.03	0.6	0.9	0.3
filter	CV	2.7	2.6	11.7	3.7	3.5
(hard pack)						

PM3000763986

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt.	Puff Count
Winston king size, filter (soft pack)	$\bar{x}$	19.5±0.4	1.32±0.03	4.2±0.2	25.0±0.6	9.1±0.1
	s	0.9	0.06	0.4	1.3	0.3
	CV	4.5	4.6	10.2	5.0	3.2
Winston 100 mm. filter	$\bar{x}$	18.5±0.3	1.24±0.02	2.7±0.1	22.5±0.4	10.0±0.2
	s	0.7	0.05	0.2	0.8	0.3
	CV	3.8	3.7	6.8	3.8	3.4
Winston 100 mm. filter menthol	$\bar{x}$	18.5±0.3	1.31±0.03	2.8±0.1	22.6±0.4	10.3±0.2
	s	0.8	0.06	0.3	1.0	0.4
	CV	4.1	4.5	9.4	4.2	3.7
Winston Lights king size, filter	$\bar{x}$	13.8±0.2	0.98±0.01	1.7±0.1	16.4±0.3	8.2±0.1
	s	0.5	0.03	0.2	0.6	0.2
	CV	3.5	3.2	10.3	3.7	2.4
Zack king size, filter (hard pack)	$\bar{x}$	16.8±0.3	1.22±0.03	4.1±0.2	22.1±0.5	7.8±0.2
	s	0.6	0.07	0.5	1.0	0.4
	CV	3.8	5.4	11.8	4.7	5.0
Zack king size, filter (soft pack)	$\bar{x}$	17.3±0.2	1.28±0.02	3.8±0.2	22.4±0.4	8.0±0.1
	s	0.5	0.05	0.4	0.8	0.3
	CV	3.1	3.5	11.4	3.6	3.7

PM3000763987

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/cigt.	Nicotine mg/cigt.	Water mg/cigt.	TPM mg/cigt	Puff Count
Monitor	$\bar{x}$	17.9±0.07	1.28±0.005	3.9±0.05	23.1±0.1	8.9±0.03
(R.J. Reynolds)	s	0.7	0.05	0.5	1.0	0.3
Smoking Machine A	CV	3.7	3.7	11.9	4.5	2.9
Monitor	$\bar{x}$	18.1±0.06	1.29±0.005	4.0±0.05	23.4±0.1	9.0±0.03
(R.J. Reynolds)	s	0.6	0.04	0.4	1.0	0.2
Smoking Machine B	CV	3.3	3.3	11.1	4.1	2.7

PM3000763988

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

PART II

PER PUFF DATA

PM3000763989

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Alpine	$\bar{x}$	1.74±0.04	0.109±0.002	0.27±0.01	2.12±0.05
king size,	s	0.08	0.005	0.03	0.11
filter menthol	CV	4.5	4.3	11.3	5.1
Belair	$\bar{x}$	1.96±0.04	0.142±0.003	0.34±0.02	2.44±0.04
king size,	s	0.08	0.007	0.05	0.10
filter menthol	CV	4.1	4.9	13.3	3.9
Belair	$\bar{x}$	1.89±0.03	0.133±0.002	0.25±0.01	2.27±0.04
100 mm.	s	0.07	0.004	0.02	0.08
filter menthol	CV	3.6	3.1	8.6	3.6
Benson & Hedges	$\bar{x}$	1.50±0.05	0.094±0.003	0.34±0.03	1.93±0.07
regular size,	s	0.10	0.007	0.06	0.15
filter	CV	6.7	7.6	18.3	7.5
Benson & Hedges	$\bar{x}$	2.09±0.05	0.143±0.003	0.35±0.02	2.58±0.06
king size,	s	0.11	0.006	0.05	0.14
filter	CV	5.1	4.1	15.5	5.4
Benson & Hedges	$\bar{x}$	1.97±0.03	0.122±0.002	0.28±0.01	2.37±0.03
100 mm.	s	0.06	0.004	0.02	0.07
filter	CV	3.0	3.6	6.8	3.1
Benson & Hedges	$\bar{x}$	2.02±0.05	0.123±0.004	0.28±0.02	2.43±0.07
100 mm.	s	0.12	0.009	0.04	0.16
filter menthol	CV	5.9	7.0	15.0	6.5
Blend	$\bar{x}$	1.69±0.04	0.125±0.003	0.36±0.02	2.17±0.06
king size,	s	0.09	0.007	0.05	0.13
filter	CV	5.3	5.4	14.4	6.2

PM3000763990

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Bull Durham king size, filter	$\bar{x}$	2.78±0.14	0.180±0.010	0.57±0.04	3.53±0.18
	s	0.31	0.023	0.08	0.41
	CV	11.3	12.7	14.7	11.7
Camel regular size, non-filter	$\bar{x}$	3.22±0.06	0.222±0.003	0.52±0.02	3.96±0.07
	s	0.13	0.007	0.04	0.16
	CV	4.0	3.1	8.0	4.1
Camel king size, filter	$\bar{x}$	2.12±0.03	0.143±0.002	0.45±0.02	2.71±0.04
	s	0.06	0.005	0.04	0.09
	CV	2.9	3.5	9.7	3.2
Carlton regular size, filter	$\bar{x}$	0.35±0.02	0.029±0.002	0.03±0.01	0.41±0.02
	s	0.05	0.005	0.02	0.05
	CV	13.6	15.4	48.5	12.7
Carlton king size, filter	$\bar{x}$	0.52±0.03	0.042±0.002	0.05±0.01	0.61±0.03
	s	0.06	0.004	0.01	0.07
	CV	11.9	10.0	24.3	11.6
Carlton king size, filter menthol	$\bar{x}$	0.46±0.03	0.040±0.002	0.05±0.005	0.55±0.03
	s	0.06	0.004	0.01	0.07
	CV	13.0	9.2	23.0	11.9
Chesterfield regular size, non-filter	$\bar{x}$	3.37±0.07	0.196±0.003	0.61±0.03	4.17±0.09
	s	0.15	0.006	0.06	0.20
	CV	4.5	3.0	10.0	4.9
Chesterfield king size, non-filter	$\bar{x}$	3.01±0.08	0.179±0.003	0.47±0.03	3.66±0.11
	s	0.19	0.008	0.07	0.24
	CV	6.3	4.3	14.1	6.5

PM3000763991

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Chesterfield	$\bar{x}$	2.13±0.04	0.142±0.003	0.49±0.03	2.77±0.06
king size,	s	0.08	0.006	0.08	0.14
filter	CV	3.9	4.3	15.4	4.9
Chesterfield	$\bar{x}$	2.23±0.04	0.146±0.003	0.55±0.03	2.92±0.07
king size,	s	0.10	0.007	0.08	0.16
filter menthol	CV	4.3	4.7	13.9	5.5
Chesterfield	$\bar{x}$	2.04±0.03	0.141±0.002	0.31±0.02	2.50±0.04
101 mm.	s	0.06	0.005	0.04	0.09
filter	CV	3.1	3.3	11.4	3.6
Domino	$\bar{x}$	3.00±0.07	0.142±0.004	0.51±0.02	3.65±0.08
king size,	s	0.15	0.009	0.04	0.19
non-filter	CV	5.2	6.4	8.3	5.2
Domino	$\bar{x}$	2.40±0.03	0.130±0.003	0.60±0.02	3.13±0.05
king size,	s	0.07	0.006	0.04	0.10
filter	CV	2.8	4.5	7.4	3.3
Doral	$\bar{x}$	1.61±0.03	0.113±0.002	0.23±0.01	1.96±0.04
king size,	s	0.07	0.004	0.03	0.10
filter	CV	4.6	3.8	11.3	4.9
Doral	$\bar{x}$	1.48±0.04	0.109±0.003	0.22±0.01	1.80±0.05
king size,	s	0.09	0.006	0.02	0.11
filter menthol	CV	5.8	5.4	10.3	6.0
DuMaurier	$\bar{x}$	1.85±0.03	0.124±0.002	0.30±0.02	2.27±0.04
king size,	s	0.07	0.005	0.04	0.10
filter	CV	3.6	4.2	12.7	4.3

PM3000763992

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPm mg/puff
English Ovals	$\bar{x}$	3.00±0.12	0.228±0.009	0.40±0.02	3.63±0.15
regular size,	s	0.27±	0.020	0.05	0.33
non-filter	CV	9.0	8.8	13.5	9.2
English Ovals	$\bar{x}$	2.84±0.08	0.227±0.007	0.35±0.01	3.42±0.09
king size,	s	0.18	0.015	0.03	0.20
non-filter	CV	6.2	6.4	7.8	5.8
Eve	$\bar{x}$	1.98±0.04	0.135±0.003	0.29±0.02	2.41±0.05
100 mm.	s	0.08	0.006	0.04	0.12
filter	CV	4.2	4.3	13.2	4.8
Eve	$\bar{x}$	1.97±0.02	0.130±0.002	0.30±0.01	2.40±0.03
100 mm.	s	0.05	0.004	0.03	0.07
filter menthol	CV	2.4	3.4	9.4	2.8
Fatima	$\bar{x}$	3.02±0.06	0.180±0.003	0.46±0.02	3.65±0.07
king size,	s	0.13	0.006	0.04	0.15
non-filter	CV	4.3	3.5	7.8	4.1
Galaxy	$\bar{x}$	2.03±0.03	0.134±0.003	0.30±0.01	2.47±0.04
king size,	s	0.07	0.006	0.02	0.09
filter	CV	3.5	4.4	7.8	3.5
Half & Half	$\bar{x}$	2.26±0.04	0.171±0.004	0.49±0.02	2.92±0.06
king size,	s	0.10	0.008	0.05	0.14
filter	CV	4.3	4.8	10.4	4.7
Herbert Tareyton	$\bar{x}$	3.00±0.05	0.190±0.003	0.47±0.02	3.66±0.06
king size,	s	0.10	0.007	0.05	0.13
non-filter	CV	3.4	3.4	11.0	3.6

PM3000763993

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Home Run	$\bar{x}$	3.04±0.07	0.253±0.005	0.50±0.02	3.80±0.09
regular size,	s	0.15	0.010	0.05	0.19
non-filter	CV	4.9	4.0	9.5	5.1
Iceberg 100's	$\bar{x}$	1.06±0.02	0.080±0.002	0.14±0.01	1.28±0.02
100 mm.	s	0.04	0.004	0.02	0.04
filter menthol	CV	3.4	5.0	10.9	3.0
Kent	$\bar{x}$	2.00±0.03	0.122±0.002	0.47±0.03	2.59±0.05
king size,	s	0.08	0.006	0.06	0.12
filter	CV	3.9	4.5	12.5	4.6
(hard pack)					
Kent	$\bar{x}$	1.94±0.03	0.123±0.002	0.38±0.02	2.44±0.04
king size,	s	0.06	0.004	0.05	0.10
filter	CV	3.3	3.6	12.3	4.0
(soft pack)					
Kent	$\bar{x}$	1.94±0.04	0.124±0.003	0.29±0.02	2.35±0.04
100 mm.	s	0.10	0.006	0.05	0.09
filter	CV	5.0	5.0	17.1	4.0
Kent	$\bar{x}$	1.91±0.03	0.125±0.002	0.27±0.01	2.31±0.04
100 mm.	s	0.07	0.004	0.02	0.08
filter menthol	CV	3.7	3.0	7.7	3.6
King Sano	$\bar{x}$	0.83±0.03	0.040±0.001	0.12±0.01	0.99±0.04
king size,	s	0.07	0.003	0.02	0.09
filter	CV	8.6	7.8	16.3	8.8
King Sano	$\bar{x}$	0.86±0.03	0.037±0.001	0.12±0.01	1.02±0.03
king size,	s	0.06	0.003	0.02	0.07
filter menthol	CV	6.8	7.3	17.7	7.2

PM3000763994

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Kool	$\bar{x}$	3.03±0.06	0.187±0.005	0.47±0.02	3.6 ±0.07
regular size,	s	0.14	0.011	0.05	0.17
non-filter menthol	CV	4.6	6.0	11.3	4.5
Kool	$\bar{x}$	2.08±0.03	0.160±0.002	0.43±0.02	2.67±0.04
king size,	s	0.06	0.005	0.05	0.09
filter menthol	CV	2.8	3.4	12.0	3.4
(hard pack)					
Kool	$\bar{x}$	2.08±0.05	0.160±0.002	0.38±0.01	2.62±0.06
king size,	s	0.11	0.005	0.03	0.14
filter menthol	CV	5.4	3.3	8.7	5.3
(soft pack)					
Kool	$\bar{x}$	1.91±0.04	0.133±0.004	0.27±0.01	2.31±0.05
100 mm.	s	0.09	0.008	0.03	0.12
filter menthol	CV	4.7	6.0	10.2	5.1
Kool Milds	$\bar{x}$	1.84±0.02	0.109±0.002	0.27±0.01	2.23±0.03
king size,	s	0.05	0.005	0.03	0.07
filter menthol	CV	2.8	4.7	10.9	3.1
L & M	$\bar{x}$	2.27±0.05	0.149±0.003	0.53±0.02	2.95±0.07
king size,	s	0.10	0.007	0.05	0.15
filter	CV	4.5	4.8	10.1	5.0
(hard pack)					
L & M	$\bar{x}$	2.20±0.04	0.143±0.003	0.51±0.03	2.85±0.07
king size,	s	0.09	0.006	0.07	0.16
filter	CV	4.2	4.4	14.6	5.6
(soft pack)					

PM3000763995

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.C.T. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
L & M	$\bar{x}$	2.05±0.03	0.140±0.003	0.31±0.02	2.50±0.04
100 mm.	s	0.06	0.007	0.04	0.08
filter	CV	2.9	4.7	11.6	3.3
L & M	$\bar{x}$	2.08±0.04	0.140±0.002	0.31±0.02	2.53±0.05
100 mm.	s	0.08	0.004	0.04	0.10
filter menthol	CV	4.0	2.9	12.7	4.0
Lark	$\bar{x}$	2.23±0.02	0.149±0.002	0.44±0.02	2.82±0.04
king size,	s	0.05	0.005	0.04	0.08
filter	CV	2.3	3.1	9.4	2.8
Lark	$\bar{x}$	2.00±0.03	0.135±0.002	0.36±0.01	2.50±0.03
100 mm.	s	0.06	0.005	0.02	0.08
filter	CV	3.0	3.5	6.7	3.1
Lucky Strike	$\bar{x}$	3.42±0.06	0.203±0.004	0.61±0.03	4.23±0.08
regular size,	s	0.13	0.008	0.07	0.18
non-filter	CV	3.7	3.9	11.2	4.1
Lucky Ten	$\bar{x}$	1.35±0.05	0.096±0.003	0.23±0.01	1.67±0.06
king size,	s	0.10	0.006	0.03	0.13
filter	CV	7.6	5.9	11.9	7.7
Lucky 100's	$\bar{x}$	1.06±0.03	0.082±0.002	0.15±0.02	1.30±0.02
100 mm.	s	0.06	0.005	0.06	0.04
filter	CV	5.4	5.9	36.4	3.2
Mapleton	$\bar{x}$	3.44±0.09	0.153±0.004	0.63±0.03	4.22±0.12
regular size,	s	0.19	0.008	0.08	0.26
non-filter	CV	5.6	5.3	12.1	6.1

PM3000763996

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Mapleton king size, filter	$\bar{x}$	2.33±0.06	0.092±0.002	0.50±0.02	2.92±0.07
	s	0.13	0.004	0.05	0.15
	CV	5.5	3.9	10.7	5.1
Marlboro king size, filter (hard pack)	$\bar{x}$	2.20±0.04	0.132±0.002	0.49±0.02	2.82±0.05
	s	0.09	0.004	0.04	0.12
	CV	4.0	2.8	8.7	4.1
Marlboro king size, filter (soft pack)	$\bar{x}$	2.08±0.04	0.127±0.002	0.41±0.02	2.62±0.05
	s	0.09	0.005	0.04	0.12
	CV	4.3	3.6	9.9	4.4
Marlboro king size, filter menthol (hard pack)	$\bar{x}$	1.94±0.05	0.115±0.003	0.35±0.02	2.41±0.06
	s	0.10	0.007	0.04	0.14
	CV	5.2	5.8	12.5	5.6
Marlboro king size, filter menthol (soft pack)	$\bar{x}$	1.80±0.04	0.111±0.002	0.26±0.01	2.17±0.05
	s	0.08	0.005	0.03	0.10
	CV	4.4	4.6	12.1	4.8
Marlboro 100 mm. filter (hard pack)	$\bar{x}$	1.92±0.04	0.124±0.002	0.30±0.01	2.35±0.05
	s	0.09	0.005	0.03	0.11
	CV	4.8	3.9	10.6	4.9
Marlboro 100 mm. filter (soft pack)	$\bar{x}$	1.98±0.06	0.124±0.004	0.30±0.01	2.40±0.08
	s	0.13	0.009	0.03	0.17
	CV	6.8	7.5	10.9	7.1

PM3000763997

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Marlboro Lights	$\bar{x}$	1.74±0.03	0.112±0.002	0.23±0.01	2.08±0.04
king size,	s	0.07	0.005	0.02	0.09
filter	CV	4.2	4.9	10.4	4.4
Marlboro Lights	$\bar{x}$	1.74±0.03	0.104±0.002	0.21±0.01	2.06±0.04
king size,	s	0.07	0.004	0.02	0.08
filter menthol	CV	4.3	4.1	9.8	3.9
Miyako	$\bar{x}$	1.97±0.02	0.120±0.002	0.53±0.03	2.62±0.05
king size.	s	0.05	0.004	0.07	0.11
filter	CV	2.4	3.5	13.6	4.3
Montclair	$\bar{x}$	2.14±0.04	0.155±0.004	0.51±0.02	2.80±0.06
king size,	s	0.09	0.009	0.05	0.14
filter menthol	CV	4.3	5.6	10.7	4.9
More	$\bar{x}$	1.34±0.04	0.098±0.003	0.16±0.01	1.60±0.05
120 mm.	s	0.10	0.006	0.02	0.12
filter	CV	7.1	6.5	10.9	7.2
More	$\bar{x}$	1.38±0.04	0.106±0.003	0.19±0.01	1.68±0.05
120 mm.	s	0.10	0.007	0.02	0.11
filter menthol	CV	6.9	7.0	12.8	6.7
Multifilter	$\bar{x}$	1.54±0.04	0.104±0.004	0.20±0.01	1.84±0.05
king size,	s	0.08	0.008	0.02	0.10
filter	CV	5.4	8.1	11.4	5.6
Multifilter	$\bar{x}$	1.41±0.04	0.098±0.003	0.16±0.01	1.67±0.05
king size,	s	0.09	0.006	0.03	0.11
filter menthol	CV	6.2	5.9	17.4	6.7

PM3000763998

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Newport king size, filter menthol (hard pack)	$\bar{x}$	2.10±0.04	0.145±0.002	0.50±0.03	2.74±0.07
	s	0.10	0.005	0.06	0.15
	CV	4.5	3.5	11.6	5.4
Newport king size, filter menthol (soft pack)	$\bar{x}$	2.05±0.04	0.144±0.003	0.48±0.02	2.68±0.05
	s	0.08	0.007	0.05	0.11
	CV	4.0	4.5	10.4	4.2
Newport 100 mm. filter menthol	$\bar{x}$	2.11±0.03	0.152±0.003	0.32±0.01	2.58±0.05
	s	0.08	0.008	0.03	0.11
	CV	3.7	5.1	10.3	4.1
Oasis king size, filter menthol	$\bar{x}$	2.14±0.04	0.141±0.003	0.47±0.03	2.75±0.06
	s	0.10	0.006	0.06	0.14
	CV	4.5	4.2	13.1	5.0
Old Gold Straights regular size, non-filter	$\bar{x}$	3.01±0.04	0.184±0.004	0.51±0.02	3.71±0.06
	s	0.09	0.008	0.05	0.13
	CV	2.9	4.6	9.7	3.5
Old Gold Straights king size, non-filter	$\bar{x}$	2.83±0.05	0.172±0.003	0.44±0.02	3.44±0.06
	s	0.11	0.007	0.04	0.13
	CV	3.9	3.9	9.5	3.9
Old Gold Filters king size, filter (hard pack)	$\bar{x}$	2.12±0.05	0.159±0.003	0.49±0.03	2.77±0.08
	s	0.12	0.007	0.06	0.17
	CV	5.7	4.4	12.2	6.2

PM3000763999

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Old Gold Filters	$\bar{x}$	2.09±0.05	0.131±0.002	0.43±0.02	2.65±0.07
king size,	s	0.12	0.005	0.05	0.15
filter	CV	5.7	3.8	10.5	5.8
(soft pack)					
Old Gold 100's	$\bar{x}$	2.23±0.04	0.142±0.003	0.39±0.02	2.77±0.05
100 mm.	s	0.09	0.007	0.04	0.11
filter	CV	3.8	5.0	9.6	4.0
Pall Mall	$\bar{x}$	2.99±0.04	0.188±0.003	0.45±0.02	3.62±0.05
king size,	s	0.09	0.006	0.04	0.11
non-filter	CV	2.9	3.1	8.8	3.1
Pall Mall	$\bar{x}$	1.89±0.03	0.138±0.002	0.28±0.02	2.30±0.05
100 mm.	s	0.07	0.004	0.04	0.10
filter	CV	3.6	3.2	13.3	4.4
Pall Mall	$\bar{x}$	1.70±0.02	0.131±0.002	0.25±0.01	2.08±0.03
100 mm.	s	0.05	0.005	0.02	0.06
filter menthol	CV	2.7	4.1	8.8	2.9
Pall Mall	$\bar{x}$	1.42±0.03	0.104±0.002	0.26±0.01	1.78±0.03
Extra Mild	s	0.07	0.004	0.02	0.07
king size, filter	CV	4.8	4.1	7.8	4.1
(hard pack)					
Pall Mall	$\bar{x}$	1.42±0.03	0.101±0.002	0.25±0.01	1.77±0.04
Extra Mild	s	0.08	0.004	0.02	0.09
king size,filter	CV	5.3	4.3	9.0	5.3
(soft pack)					

PM3000764000

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Parliament king size, filter (hard pack)	$\bar{x}$	2.02±0.05	0.120±0.003	0.37±0.02	2.51±0.07
	s	0.12	0.007	0.05	0.16
	CV	5.7	5.5	13.2	6.3
Parliament king size, filter (soft pack)	$\bar{x}$	2.07±0.02	0.121±0.002	0.39±0.02	2.59±0.04
	s	0.05	0.005	0.05	0.09
	CV	2.6	4.1	12.2	3.5
Parliament 100's 100 mm. filter	$\bar{x}$	1.97±0.03	0.121±0.002	0.28±0.01	2.37±0.04
	s	0.07	0.004	0.02	0.08
	CV	3.7	3.6	7.7	3.4
Philip Morris regular size, non-filter	$\bar{x}$	3.02±0.05	0.171±0.003	0.48±0.02	3.67±0.07
	s	0.12	0.006	0.04	0.15
	CV	3.9	3.4	8.6	4.0
Philip Morris Commander king size, non-filter	$\bar{x}$	2.85±0.05	0.164±0.004	0.42±0.02	3.43±0.07
	s	0.12	0.008	0.05	0.17
	CV	4.2	5.1	11.8	4.8
Philip Morris International 100 mm. filter	$\bar{x}$	1.82±0.03	0.117±0.002	0.28±0.01	2.22±0.03
	s	0.06	0.005	0.02	0.07
	CV	3.1	4.0	6.8	3.0
Philip Morris International 100 mm. filter menthol	$\bar{x}$	1.97±0.04	0.121±0.002	0.28±0.01	2.37±0.05
	s	0.09	0.005	0.02	0.10
	CV	4.5	3.8	7.7	4.4

PM3000764001

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Picayune	$\bar{x}$	3.11±0.07	0.262±0.006	0.49±0.03	3.86±0.08
regular size,	s	0.15	0.013	0.06	0.18
non-filter	CV	4.7	4.9	12.4	4.6
Piedmont	$\bar{x}$	3.49±0.07	0.202±0.003	0.65±0.02	4.34±0.09
regular size,	s	0.16	0.007	0.06	0.21
non-filter	CV	4.7	3.5	8.6	4.8
Players	$\bar{x}$	3.63±0.09	0.233±0.007	0.47±0.03	4.33±0.11
regular size,	s	0.19	0.015	0.06	0.25
non-filter	CV	5.3	6.4	12.4	5.8
Raleigh	$\bar{x}$	2.83±0.04	0.169±0.003	0.39±0.03	3.39±0.07
king size,	s	0.10	0.007	0.06	0.15
non-filter	CV	3.5	4.3	14.3	4.4
Raleigh	$\bar{x}$	1.89±0.02	0.127±0.002	0.34±0.01	2.36±0.03
king size,	s	0.06	0.004	0.03	0.07
filter	CV	2.9	2.9	9.0	2.8
Raleigh	$\bar{x}$	1.77±0.03	0.119±0.002	0.24±0.01	2.13±0.03
100 mm.	s	0.06	0.005	0.02	0.08
filter	CV	3.4	3.9	9.1	3.6
Raleigh Extra Mild	$\bar{x}$	1.82±0.03	0.115±0.002	0.26±0.01	2.19±0.03
king size,	s	0.06	0.005	0.03	0.07
filter	CV	3.1	4.8	10.0	3.3
St. Moritz	$\bar{x}$	2.04±0.04	0.139±0.003	0.25±0.02	2.44±0.05
100 mm.	s	0.09	0.006	0.03	0.11
filter	CV	4.4	4.4	13.3	4.4

PM3000764002

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
St. Moritz	$\bar{x}$	2.01±0.03	0.137±0.002	0.25±0.01	2.39±0.04
100 mm.	s	0.06	0.005	0.03	0.08
filter menthol	CV	3.2	3.7	10.4	3.5
Safari	$\bar{x}$	2.01±0.03	0.141±0.002	0.32±0.01	2.48±0.04
100 mm.	s	0.07	0.005	0.03	0.08
filter	CV	3.4	3.3	9.2	3.3
Salem	$\bar{x}$	2.15±0.03	0.150±0.002	0.51±0.02	2.80±0.05
king size,	s	0.08	0.005	0.05	0.11
filter menthol (hard pack)	CV	3.5	3.5	9.3	4.0
Salem	$\bar{x}$	2.13±0.05	0.147±0.003	0.45±0.02	2.73±0.07
king size,	s	0.11	0.006	0.05	0.16
filter menthol (soft pack)	CV	5.4	4.1	11.6	5.7
Salem	$\bar{x}$	1.84±0.04	0.131±0.002	0.30±0.02	2.27±0.05
100 mm.	s	0.08	0.005	0.03	0.10
filter menthol	CV	4.3	3.9	11.6	4.5
Salem Extra	$\bar{x}$	1.99±0.02	0.152±0.002	0.41±0.02	2.56±0.03
king size,	s	0.05	0.005	0.04	0.07
filter menthol	CV	2.5	3.2	8.7	2.6
Sano	$\bar{x}$	2.77±0.11	0.106±0.003	0.41±0.02	3.29±0.12
regular size,	s	0.25	0.008	0.05	0.27
non-filter	CV	9.0	7.4	11.7	8.2

PM3000764003

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Saratoga	$\bar{x}$	1.35±0.03	0.088±0.002	0.16±0.01	1.59±0.04
120 mm.	s	0.07	0.005	0.02	0.09
filter	CV	5.4	6.1	9.9	5.6
Saratoga	$\bar{x}$	1.32±0.03	0.085±0.002	0.15±0.01	1.56±0.03
120 mm.	s	0.06	0.004	0.02	0.08
filter menthol	CV	4.8	4.6	10.5	4.9
Silva Thins	$\bar{x}$	1.83±0.03	0.138±0.003	0.40±0.02	2.37±0.05
100 mm.	s	0.08	0.007	0.05	0.12
filter	CV	4.3	4.7	12.5	5.0
Silva Thins	$\bar{x}$	1.66±0.03	0.117±0.002	0.29±0.01	2.06±0.04
100 mm.	s	0.08	0.004	0.03	0.10
filter menthol	CV	4.7	3.3	10.1	4.7
Spring	$\bar{x}$	2.11±0.03	0.115±0.003	0.33±0.02	2.56±0.04
100 mm.	s	0.07	0.007	0.04	0.09
filter menthol	CV	3.4	6.0	12.2	3.7
Super M	$\bar{x}$	1.78±0.04	0.124±0.003	0.31±0.02	2.22±0.06
100 mm.	s	0.09	0.006	0.05	0.13
filter menthol	CV	5.0	5.2	15.6	6.0
Tareyton	$\bar{x}$	2.14±0.06	0.144±0.005	0.52±0.03	2.80±0.09
king size,	s	0.13	0.010	0.07	0.19
filter	CV	6.2	7.0	12.8	6.9
Tareyton 100's	$\bar{x}$	1.83±0.03	0.131±0.003	0.29±0.01	2.25±0.04
100 mm.	s	0.07	0.007	0.02	0.09
filter	CV	3.7	5.1	8.1	4.0

PM3000764004

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Tempo	$\bar{x}$	1.29±0.04	0.099±0.008	0.15±0.01	1.54±0.05
king size,	s	0.09	0.017	0.02	0.11
filter	CV	7.1	17.7	16.8	7.3
Tramps	$\bar{x}$	1.95±0.02	0.129±0.003	0.33±0.02	2.41±0.03
king size,	s	0.04	0.006	0.04	0.07
filter	CV	2.2	4.4	11.6	2.8
Tramps	$\bar{x}$	1.97±0.02	0.127±0.003	0.33±0.01	2.43±0.03
king size,	s	0.05	0.007	0.03	0.08
filter menthol	CV	2.8	5.8	9.7	3.2
True	$\bar{x}$	1.45±0.04	0.086±0.002	0.22±0.01	1.76±0.06
king size,	s	0.10	0.004	0.03	0.13
filter	CV	6.9	5.0	13.5	7.3
True	$\bar{x}$	1.55±0.04	0.089±0.003	0.23±0.02	1.87±0.06
king size,	s	0.10	0.007	0.04	0.12
filter menthol	CV	6.2	8.0	16.7	6.6
True 100's	$\bar{x}$	1.33±0.03	0.080±0.002	0.17±0.01	1.57±0.04
100 mm.	s	0.07	0.004	0.02	0.10
filter	CV	5.6	5.2	14.4	6.1
True 100's	$\bar{x}$	1.34±0.04	0.080±0.002	0.18±0.01	1.60±0.04
100 mm.	s	0.08	0.004	0.02	0.10
filter menthol	CV	5.9	4.9	12.4	6.0
Twist	$\bar{x}$	1.89±0.06	0.142±0.004	0.34±0.02	2.38±0.08
100 mm. filter	s	0.13	0.010	0.05	0.18
lemon/menthol	CV	6.8	6.8	14.7	7.5

PM3000764005

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Vantage king size, filter	$\bar{x}$	1.42±0.03	0.094±0.002	0.22±0.01	1.73±0.03
	s	0.06	0.005	0.02	0.07
	CV	4.3	5.4	8.7	4.2
Vantage king size, filter menthol	$\bar{x}$	1.37±0.03	0.096±0.002	0.19±0.01	1.65±0.04
	s	0.07	0.005	0.02	0.08
	CV	5.4	5.5	8.1	4.9
Viceroy king size, filter	$\bar{x}$	1.89±0.04	0.125±0.003	0.32±0.01	2.34±0.05
	s	0.09	0.006	0.03	0.11
	CV	4.7	4.5	8.5	4.8
Viceroy 100 mm. filter	$\bar{x}$	1.83±0.04	0.121±0.003	0.25±0.01	2.19±0.05
	s	0.09	0.006	0.03	0.11
	CV	4.9	5.3	12.8	5.2
Viceroy Extra Mild king size, filter	$\bar{x}$	1.81±0.03	0.115±0.001	0.24±0.01	2.17±0.03
	s	0.06	0.003	0.02	0.07
	CV	3.3	2.8	8.0	3.2
Virginia Slims 100 mm. filter	$\bar{x}$	1.93±0.04	0.118±0.003	0.31±0.01	2.35±0.04
	s	0.08	0.006	0.03	0.09
	CV	4.1	4.8	9.2	3.9
Virginia Slims 100 mm. filter menthol	$\bar{x}$	1.99±0.05	0.122±0.002	0.31±0.01	2.43±0.06
	s	0.11	0.005	0.03	0.14
	CV	5.5	4.2	10.4	5.6
Winston king size, filter (hard pack)	$\bar{x}$	2.17±0.03	0.146±0.002	0.52±0.03	2.84±0.05
	s	0.08	0.005	0.06	0.12
	CV	3.5	3.4	11.8	4.3

PM3000764006

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND		F.T.C. Tar mg/puff	Nicotine mg/puff	Water in TPM mg/puff	TPM mg/puff
Winston king size, filter (soft pack)	$\bar{x}$	2.14±0.03	0.145±0.002	0.46±0.02	2.74±0.05
	s	0.07	0.005	0.04	0.11
	CV	3.3	3.5	9.3	3.8
Winston 100 mm. filter	$\bar{x}$	1.85±0.04	0.124±0.002	0.27±0.01	2.25±0.04
	s	0.08	0.004	0.02	0.10
	CV	4.3	3.5	8.2	4.4
Winston 100 mm. filter mentho1	$\bar{x}$	1.80±0.03	0.127±0.003	0.28±0.01	2.20±0.04
	s	0.07	0.006	0.02	0.08
	CV	4.0	4.7	7.9	3.8
Winston Lights king size, filter	$\bar{x}$	1.69±0.02	0.120±0.002	0.21±0.01	2.01±0.03
	s	0.05	0.004	0.02	0.07
	CV	3.1	3.3	10.2	3.4
Zack king size, filter (hard pack)	$\bar{x}$	2.16±0.05	0.157±0.003	0.53±0.03	2.85±0.08
	s	0.11	0.007	0.07	0.18
	CV	5.2	4.5	13.8	6.4
Zack king size, filter (soft pack)	$\bar{x}$	2.15±0.04	0.159±0.003	0.48±0.03	2.79±0.06
	s	0.08	0.006	0.06	0.14
	CV	3.8	3.9	13.3	4.9

PM3000764007

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BUTT LENGTH

PM3000764008

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND	BUTT LENGTH
Alpine KFM	29, 30
Belair KFM	28, 29, 30
Belair 100 FM	34, 35, 36
Benson & Hedges RF	27, 28
Benson & Hedges KF	33, 34
Benson & Hedges 100 F	35
Benson & Hedges 100 FM	35
Blend KF	27
Bull Durham KF	27
Camel RNF	23
Camel KF	28, 29
Carlton RF	33
Carlton KF	33, 34
Carlton KFM	33, 34
Chesterfield RNF	23
Chesterfield KNF	23
Chesterfield KF	26, 27, 28, 29
Chesterfield KFM	26, 27
Chesterfield 101 F	33, 34
Domino KNF	23
Domino KF	26, 27
Doral KF	33, 34
Doral KFM	33, 34
DuMaurier KF	28, 29, 30
English Ovals RNF	23
English Ovals KNF	23
Eve 100 F	32, 33, 34
Eve 100 FM	32, 33, 34
Fatima KNF	23
Galaxy KF	29, 32, 33, 34
Half & Half KF	27, 28
Herbert Tareyton KNF	23
Home Run RNF	23
Iceberg 100's FM	38, 39, 40
Kent KFHP	27, 28
Kent KFSP	28, 29
Kent 100 F	35, 36
Kent 100 FM	34, 35
King Sano KF	27, 28
King Sano KFM	27, 28, 29
Kool RNFM	23,
Kool KFMHP	25, 26
Kool KFMSP	28, 29, 30
Kool 100 FM	35, 36
Kool Milds KFM	33, 34, 35
L & M KFHP	27

PM3000764009

Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRANDS	BUTT LENGTH
L & M KFSP	27, 28, 29
L & M 100 F	32, 33, 34
L & M 100 FM	32, 33, 34
Lark KF	27, 28, 29
Lark 100 F	30, 31, 32
Lucky Strike RNF	23
Lucky Ten KF	32, 33, 34
Lucky 100's F	37, 38, 39
Mapleton RNF	23
Mapleton KF	27, 28
Marlboro KFHP	26
Marlboro KFSP	27, 28, 29
Marlboro KFMHP	26
Marlboro KFMSP	27
Marlboro 100 FHP	33, 34
Marlboro 100 FSP	33, 34
Marlboro Lights KF	33, 34
Marlboro Lights KFM	33, 34
Miyako KF	28
Montclair KFM	27, 28
More 120 F	36, 37, 38
More 120 FM	36, 37, 38
Multifilter KF	33, 34
Multifilter KFM	33, 34
Newport KFMHP	25, 27, 28
Newport KFMSP	26, 27, 28
Newport 100 FM	33, 34, 35, 36
Oasis KFM	27
Old Gold RNF	23
Old Gold KNF	23
Old Gold KFHP	27, 28
Old Gold KFSP	28, 29, 30
Old Gold 100's F	32, 33, 34, 35, 36
Pall Mall KNF	23
Pall Mall 100 F	33, 35, 36
Pall Mall 100 FM	35, 36
Pall Mall Extra Mild KFHP	33, 34
Pall Mall Extra Mild KFSP	33, 34, 35
Parliament KFHP	31, 32, 33, 34, 35
Parliament KFSP	32, 33, 34
Parliament 100's F	38, 39, 40
Philip Morris RNF	23
Philip Morris KNF	23
Philip Morris Int. 100 F	35
Philip Morris Int. 100 FM	35

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Source: https://www.industrydocuments.ucsf.edu/docs/tjvl0001

BRAND	BUTT LENGTH
Picayune RNF	23
Piedmont RNF	23
Players RNF	23
Raleigh KNF	23
Raleigh KF	28, 29, 30
Raleigh 100 F	34, 35, 36
Raleigh Extra Mild KF	32, 33, 34
St. Moritz 100 F	36, 37, 38
St. Moritz 100 FM	36, 37
Safari 100 F	35, 36
Salem KFMHP	26
Salem KFMSP	27, 28
Salem 100 FM	34, 35
Salem Extra KFM	28
Sano RNF	23
Saratoga 120 F	38
Saratoga 120 FM	38
Silva Thins 100 F	33
Silva Thins 100 FM	33
Spring 100 FM	33
Super M 100 FM	33, 34
Tareyton KF	27, 28
Tareyton 100's F	35
Tempo KF	33
Tramps KF	29, 30
Tramps KFM	29, 30
True KF	32, 33, 34
True KFM	32, 33, 34
True 100's F	34, 35, 36
True 100's FM	34, 35, 36
Twist 100 FM	32, 33, 34
Vantage KF	33
Vantage KFM	33
Viceroy KF	28, 29, 30
Viceroy 100 F	34, 35, 36
Viceroy Extra Mild KF	33, 34
Virginia Slims 100 F	35, 36
Virginia Slims 100 FM	34, 35, 36
Winston KFHP	26
Winston KFSP	28
Winston 100 F	34
Winston 100 FM	34
Winston Lights KF	33
Zack KFHP	27
Zack KFSP	28

PM3000764011

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